RESULTS OF VOLATILE ORGANIC COMPOUND ANALYSIS FOR BASELINE SAMPLING PERIOD
WEST LAKE LANDFILL, BRIDGETON, MISSOURI
DRAFT TABLE PREPARED SEPTEMBER 30, 2014

Volatile Organic Compound	Screening Levels[1]		STATION 1 Robertson Fire Protection Station 2, 3820 Taussig Road, Bridgeton, MO														
	Cancer Risk = 1E-06	Non-cancer HQ = 0.1	05/08/14	05/15/14	05/15/14 (dup)	05/23/14	05/30/14	06/06/14	06/13/14	06/13/14 (dup)	06/18/14 [2]	06/19/14	06/26/14	06/26/14 (dup)	07/10/14	07/24/14	07/31/14	08/06/14
Benzene	0.36	3.1	0.31 J	0.31 J	0.44 J	0.28 J	0.5 J	0.73	ND (0.27)	ND (0.13)	0.37 J	0.37 J	0.4 J	0.44 J	0.25 J	0.3 J	0.41 J	0.47 J
Benzyl chloride	0.057	0.1	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.065)	ND (0.071)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Bromomethane	-	0.52	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.065)	0.2 J	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)
Carbon tetrachloride	0.47	10	0.38 J	0.47 J	0.46 J	0.77 J	0.47 J	0.46 J	ND (0.061)	ND (0.25)	0.46 J	0.4 J	0.27 J	0.34 J	0.37 J	0.69 J	0.54 J	0.41 J
Chlorobenzene	-	5.2	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.064)	0.64 J	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Chloroethane	-	1000	0.1 J	ND (0.092)	ND (0.092)	0.13 U J B	ND (0.092)	ND (0.092)	ND (0.16)	0.2 J	ND (0.092)	ND (0.092)	ND (0.092)	0.13 J	ND (0.092)	0.41 J	ND (0.092)	0.094 J
Chloroform	0.12	10	ND (0.19)	ND (0.19)	ND (0.19)	0.39 J	0.24 J	0.32 J	ND (0.056)	0.53 J	ND (0.19)	ND (0.19)	0.19 J	0.22 J	0.34 J	1.5	0.55 J	0.51 J
Chloromethane	-	9.4	1.5	1.5 J	1.4 J	2.1	1.5	1.6	ND (0.058)	ND (0.06)	1.1	1.3	0.93 J	1	1.1	2	1.1	1.2
1,2-Dibromoethane (EDB)	0.0047	0.94	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.092)	0.2	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.13)	ND (0.52)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
1,2-Dichlorobenzene	-	21	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.73)	ND (0.061)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
1,3-Dichlorobenzene	-	-	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.19)	ND (0.22)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)
1,4-Dichlorobenzene	0.26	83	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.052)	ND (0.19)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Dichlorodifluoromethane	-	10	2.2	2.1	2.7	2.4	2.7	1.2	ND (0.4)	ND (0.24)	0.81 J	0.81 J	1.8	2	2.1	2.2	3.1	2.1
1,1-Dichloroethane	1.8	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.16)	ND (0.3)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
1,2-Dichloroethane	0.11	0.73	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.31)	ND (0.058)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
1,1-Dichloroethene	-	21	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.061)	ND (0.34)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)
cis-1,2-Dichloroethene	-	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.4)	1	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloropropane	0.28	0.42	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.22)	ND (0.27)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
cis-1,3-Dichloropropene	-	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.12)	0.99	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
Ethylbenzene	1.1	100	0.39 J	ND (0.3)	ND (0.3)	ND (0.3)	0.58 J	0.48 J	ND (0.23)	0.5	ND (0.3)	0.4 J	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)
Hexachlorobutadiene	0.13	-	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.19)	0.2	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)
Methylene Chloride	100	63	0.91 J	0.93 U J	1.9 J	1.1 U J B	1.6 J	1.9	ND (0.044)	ND (0.098)	0.83 J	0.77 J	0.92 J	0.91 J	1.2 U J	0.78 U J	2.2 J B	2.1 J B
Styrene	-	100	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	0.27 J	0.59 J	ND (0.3)	0.2 J	ND (0.25)	0.25 J	ND (0.25)	0.42 J	0.3 J	ND (0.25)	ND (0.25)	ND (0.25)
1,1,2-Trichloro-1,2,2-trifluoroethane	-	3100	1.2 J	0.66 J	0.62 J	0.63 J	0.54 J	0.69 J	ND (0.31)	ND (0.071)	0.64 J	0.56 J	0.47 J	0.52 J	0.52 J	0.48 J	0.65 J	0.53 J
1,2,4-Trichlorobenzene	-	0.21	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.29)	ND (0.83)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
1,1,1-Trichloroethane	-	520	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.22)	ND (0.24)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
1,1,2-Trichloroethane	0.18	0.021	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.071)	ND (0.068)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
1,2,4-Trimethylbenzene	-	0.73	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	0.36 J	ND (0.11)	ND (0.45)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
1,3,5-Trimethylbenzene	-	-	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.42)	ND (0.45)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
1,1,2,2-Tetrachloroethane	0.048	-	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.036)	ND (0.34)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
Tetrachloroethene	11	4.2	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	0.47 U J	0.44 J	ND (0.044)	0.53 J	ND (0.27)	ND (0.27)	0.32 J	0.34 J	ND (0.27)	ND (0.27)	0.45 J	ND (0.27)
Toluene	-	520	0.85	0.87	2.3	0.83	4	3.6	ND (0.047)	0.5	5.2 J	6.1 J	3.1	2.3	0.71 J	ND (0.45)	0.85	0.75
trans-1,3-Dichloropropene	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.078)	0.2	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Trichloroethene	0.48	0.21	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.12)	1 J	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
Trichlorofluoromethane	-	73	1.3	1.4	1.4	1.3 J B	1.5	2	ND (0.24)	ND (0.065)	1.5	1.4	1.4	1.6	1.3	1.2	1.6	1.2
Vinyl chloride	0.17	10	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.26)	0.5 J	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
m-Xylene & p-Xylene	-	10	1.3	ND (0.52)	0.72 J	ND (0.52)	1.7	1.5	ND (0.24)	1.5 J	0.74 J	1.5	ND (0.52)	0.91	0.52 J	ND (0.52)	0.53 J	ND (0.52)
o-Xylene	-	10	0.35 J	ND (0.26)	ND (0.26)	ND (0.26)	0.63 J	0.53 J	ND (0.34)	0.2 J	ND (0.26)	0.31 J	ND (0.26)	0.33 J	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)

Notes:
Shading indicates the concentration exceeds a screening level.

[1] Screening levels are from the Regional Screening Level (RSL) Residential Air Supporting Table May 2014. The noncarcinogenic screening level listed in this table is based on a noncancer hazard index of 0.1.

[2] Truncated sampling duration of approximately 6.6 hours due to equipment failure. A new sample was collected (see Station 1 sample collected on 6/19/14)

B Analyte detected in laboratory blank dup duplicate J estimated result less than the reporting limit ND not detected (reporting limit)

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WEST LAKE LANDFILL, BRIDGETON, MISSOURI
DRAFT TABLE PREPARED SEPTEMBER 30, 2014

Volatile Organic Compound	Screening Levels[1]		STATION 2 Pattonville Fire Department District, 13900 St. Charles Rock Road, Bridgeton, MO												
	Cancer Risk = 1E-06	Non-cancer HQ = 0.1	05/08/14	05/15/14	05/23/14	05/30/14	06/06/14	06/06/14 (dup)	06/13/14	06/19/14	06/26/14	07/10/14	07/17/14	07/24/14	07/31/14	08/06/14
Benzene	0.36	3.1	0.32 J	0.22 J	0.3 J	0.51 J	0.75	0.63	ND (0.068)	0.36 J	0.43 J	0.21 J	0.36 J	0.21 J	0.35 J	0.39 J
Benzyl chloride	0.057	0.1	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.19)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Bromomethane	-	0.52	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.24)	0.16 J	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)
Carbon tetrachloride	0.47	10	0.42 J	0.46 J	0.55 J	ND (0.24)	0.57 J	0.49 J	ND (0.29)	0.55 J	0.33 J	0.31 J	0.58 U J	0.37 J	0.39 J	0.37 J
Chlorobenzene	-	5.2	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.065)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Chloroethane	-	1000	ND (0.092)	ND (0.092)	0.11 U J B	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.34)	0.54	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	0.12 J	ND (0.092)
Chloroform	0.12	10	ND (0.19)	ND (0.19)	ND (0.19)	0.23 J	0.41 J	0.42 J	ND (0.39)	0.32 J	0.21 J	0.29 J	0.52 J	ND (0.19)	0.22 J	ND (0.19)
Chloromethane	-	9.4	1.6	1 U J	1.3	1.8	1.9	1.7	ND (0.26)	2.4	1 J	0.86 J	1.5	1.1	1.5	1.2
1,2-Dibromoethane (EDB)	0.0047	0.94	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.24)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.061)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
1,2-Dichlorobenzene	-	21	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.054)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
1,3-Dichlorobenzene	-	-	ND (0.39)	ND (0.39)	ND (0.39)	0.51 J	ND (0.39)	ND (0.39)	ND (0.22)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)
1,4-Dichlorobenzene	0.26	83	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.07)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Dichlorodifluoromethane	-	10	2.5	2.3	2.6	2.7	1.1	1.4	ND (0.064)	0.83 J	1.8	1.8	2.6	2.2	2.2	2.1
1,1-Dichloroethane	1.8	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
1,2-Dichloroethane	0.11	0.73	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.13)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
1,1-Dichloroethene	-	21	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.036)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)
cis-1,2-Dichloroethene	-	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.4)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloropropane	0.28	0.42	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.73)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
cis-1,3-Dichloropropene	-	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.032)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
Ethylbenzene	1.1	100	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	0.33 J	0.35 J	ND (0.049)	ND (0.3)	0.31 J	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)
Hexachlorobutadiene	0.13	-	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.078)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)
Methylene Chloride	100	63	4.5	0.88 U J	1.2 U J B	1.1 J	1.2 J	1.2 J	ND (0.065)	5.1	0.67 J	0.71 U J	2.1 B	0.74 U J	1 U J B	1.2 U J B
Styrene	-	100	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.078)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
1,1,2-Trichloro-1,2,2-trifluoroethane	-	3100	0.67 J	0.62 J	0.67 J	0.59 J	0.7 J	0.72 J	ND (0.22)	0.64 J	0.44 J	0.46 J	0.59 J	0.47 J	0.58 J	0.52 J
1,2,4-Trichlorobenzene	-	0.21	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.071)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
1,1,1-Trichloroethane	-	520	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.058)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
1,1,2-Trichloroethane	0.18	0.021	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.45)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
1,2,4-Trimethylbenzene	-	0.73	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.03)	ND (0.31)	0.34 J	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
1,3,5-Trimethylbenzene	-	-	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.31)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
1,1,2,2-Tetrachloroethane	0.048	-	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.04)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
Tetrachloroethene	11	4.2	ND (0.27)	ND (0.27)	ND (0.27)	86	ND (0.27)	ND (0.27)	ND (0.061)	1.7	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
Toluene	-	520	0.79	0.78	1.4	2	1.9	2	ND (0.032)	9.8 J	1.6	0.71 J	1.6	0.73 J	1.2	1.3
trans-1,3-Dichloropropene	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.25)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Trichloroethene	0.48	0.21	ND (0.19)	ND (0.19)	ND (0.19)	0.33 J	0.6 J	0.59 J	ND (0.048)	0.44 J	ND (0.19)	ND (0.19)	0.33 J	1 U J	0.22 J	ND (0.19)
Trichlorofluoromethane	-	73	1.3	1.4	1.3 B	1.4	1.6	1.7	ND (0.049)	1.4	1 J	1 J	1.4	1.2	1.2	1.1
Vinyl chloride	0.17	10	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
m-Xylene & p-Xylene	-	10	0.53 J	ND (0.52)	ND (0.52)	ND (0.52)	0.98	1.1	ND (0.34)	ND (0.52)	0.95	ND (0.52)	0.54 J	ND (0.52)	0.54 J	ND (0.52)
o-Xylene	-	10	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	0.34 J	0.39 J	ND (0.044)	ND (0.26)	0.36 J	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)

Notes:
Shading indicates the concentration exceeds a screening level.

[1] Screening levels are from the Regional Screening Level (RSL) Residential Air Supporting Table May 2014. The noncarcinogenic screening level listed in this table is based on a noncancer hazard index of 0.1.

B Analyte detected in laboratory blank dup duplicate J estimated result less than the reporting limit ND not detected (reporting limit)

RESULTS OF VOLATILE ORGANIC COMPOUND ANALYSIS FOR BASELINE SAMPLING PERIOD
WEST LAKE LANDFILL, BRIDGETON, MISSOURI
DRAFT TABLE PREPARED SEPTEMBER 30, 2014

Volatile Organic Compound	Screening Levels[1]		STATION 3 Pattonville Fire Department District Station 2, 3365 McKelvey Road, Bridgeton, MO													
	Cancer Risk = 1E-06	Non-cancer HQ = 0.1	05/08/14	05/15/14	05/23/14	05/30/14	05/30/14	06/06/14	06/13/14	06/19/14	06/26/14	07/10/14	07/17/14	07/24/14	07/31/14	08/06/14
Benzene	0.36	3.1	0.35 J	0.32 J	0.35 J	0.64	0.64	0.74	ND (0.38)	0.29 J	0.43 J	0.25 J	0.46 J	0.5 J	0.37 J	0.41 J
Benzyl chloride	0.057	0.1	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.078)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Bromomethane	-	0.52	0.2 J	ND (0.12)	ND (0.12)	0.16 J	0.16 J	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	0.14 J	ND (0.12)	ND (0.12)
Carbon tetrachloride	0.47	10	0.67 J	0.42 J	0.58 J	0.49 J	0.49 J	0.44 J	ND (0.04)	0.45 J	0.33 J	0.31 J	0.51 U J	1.4	0.42 J	0.41 J
Chlorobenzene	-	5.2	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Chloroethane	-	1000	0.91	ND (0.092)	0.15 U J B	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	0.31 J	0.38 J	ND (0.092)	0.18 J
Chloroform	0.12	10	0.83 J	ND (0.19)	0.19 J	ND (0.19)	ND (0.19)	0.27 J	ND (0.19)	0.21 J	0.21 J	0.18 J	0.78 J	0.66 J	0.23 J	0.2 J
Chloromethane	-	9.4	5	1.2 J	2	2.1	2.1	1.7	ND (0.23)	1.2	1 J	0.87 J	2.2	2.1	0.86 J	1.4
1,2-Dibromoethane (EDB)	0.0047	0.94	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.044)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.063)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
1,2-Dichlorobenzene	-	21	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.032)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
1,3-Dichlorobenzene	-	-	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.32)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)
1,4-Dichlorobenzene	0.26	83	0.51 J	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.39)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Dichlorodifluoromethane	-	10	2.7	2.4	2.7	2.6	2.6	1.3	ND (0.038)	0.82 J	1.8	1.7	2.4	2.4	2.3	2.2
1,1-Dichloroethane	1.8	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.054)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
1,2-Dichloroethane	0.11	0.73	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.42)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
1,1-Dichloroethene	-	21	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.026)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)
cis-1,2-Dichloroethene	-	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloropropane	0.28	0.42	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.047)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
cis-1,3-Dichloropropene	-	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
Ethylbenzene	1.1	100	ND (0.3)	ND (0.3)	ND (0.3)	0.58 J	0.58 J	0.32 J	ND (0.3)	ND (0.3)	0.31 J	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)
Hexachlorobutadiene	0.13	-	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)
Methylene Chloride	100	63	1.3 J	1.2 U J	1.2 U J B	0.75 J	0.75 J	0.98 J	ND (0.054)	0.46 J	0.67 J	0.76 U J	2.2 B	0.84 U J	1.2 U J B	1.5 U J B
Styrene	-	100	ND (0.25)	ND (0.25)	ND (0.25)	0.29 J	0.29 J	ND (0.25)	ND (0.058)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
1,1,2-Trichloro-1,2,2-trifluoroethane	-	3100	0.61 J	0.59 J	0.72 J	0.53 J	0.53 J	0.65 J	ND (0.42)	0.6 J	0.44 J	0.44 J	0.6 J	0.56 J	0.58 J	0.49 J
1,2,4-Trichlorobenzene	-	0.21	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.034)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
1,1,1-Trichloroethane	-	520	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.18)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
1,1,2-Trichloroethane	0.18	0.021	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.42)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
1,2,4-Trimethylbenzene	-	0.73	ND (0.31)	ND (0.31)	ND (0.31)	0.32 J	0.32 J	0.34 J	ND (0.098)	ND (0.31)	0.34 J	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
1,3,5-Trimethylbenzene	-	-	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.24)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
1,1,2,2-Tetrachloroethane	0.048	-	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.03)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
Tetrachloroethene	11	4.2	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	0.31 J	ND (0.048)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
Toluene	-	520	1.1	0.88	1.7	3.2	3.2	2.1	ND (0.18)	0.98 U	1.6	0.69 J	2	ND (0.45)	1	0.89
trans-1,3-Dichloropropene	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.16)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Trichloroethene	0.48	0.21	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.061)	ND (0.19)	ND (0.19)	ND (0.19)	0.44 J	ND (0.19)	ND (0.19)	ND (0.19)
Trichlorofluoromethane	-	73	1.3	1.5	1.4 B	1.4	1.4	1.7	ND (0.39)	1.2	1 J	1.1 J	1.5	1.3	1.4	1.2
Vinyl chloride	0.17	10	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.29)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
m-Xylene & p-Xylene	-	10	ND (0.52)	ND (0.52)	0.54 J	1.7	1.7	0.91	ND (0.12)	ND (0.52)	0.95	ND (0.52)	0.71 J	ND (0.52)	0.58 J	ND (0.52)
o-Xylene	-	10	ND (0.26)	ND (0.26)	ND (0.26)	0.62 J	0.62 J	0.35 J	ND (0.061)	ND (0.26)	0.36 J	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)

Notes:
Shading indicates the concentration exceeds a screening level.

[1] Screening levels are from the Regional Screening Level (RSL) Residential Air Supporting Table May 2014. The noncarcinogenic screening level listed in this table is based on a noncancer hazard index of 0.1.

B Analyte detected in laboratory blank dup duplicate J estimated result less than the reporting limit ND not detected (reporting limit)

RESULTS OF VOLATILE ORGANIC COMPOUND ANALYSIS FOR BASELINE SAMPLING PERIOD
WEST LAKE LANDFILL, BRIDGETON, MISSOURI
DRAFT TABLE PREPARED SEPTEMBER 30, 2014

Volatile Organic Compound	Screening Levels[1]		STATION 4 Spanish Village Park, 12827 Spanish Village Drive, Bridgeton, MO																	
	Cancer Risk = 1E-06	Non-cancer HQ = 0.1	05/08/14	05/08/14 (dup)	05/15/14	05/23/14	05/23/14 (dup)	05/30/14	06/06/14	06/13/14	06/19/14	06/26/14	07/10/14	07/17/14	07/17/14 (dup)	07/24/14	07/24/14 (dup)	07/31/14	07/31/14 (dup)	08/06/14	08/06/14 (dup)
Benzene	0.36	3.1	0.29 J	0.28 J	0.28 J	0.28 J	0.26 J	0.55 J	0.72	ND (0.03)	0.33 J	0.44 J	0.37 J	0.44 J	0.42 J	0.27 J	0.26 J	0.35 J	0.21 J	0.42 J	0.39 J
Benzyl chloride	0.057	0.1	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Bromomethane	-	0.52	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.032)	0.14 J	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)
Carbon tetrachloride	0.47	10	0.31 J	0.38 J	0.46 J	0.41 J	0.41 J	0.46 J	0.48 J	ND (0.07)	0.48 J	0.37 J	0.37 J	0.54 U J	0.84 U J	0.35 J	0.36 J	0.43 J	0.45 J	0.38 J	0.39 J
Chlorobenzene	-	5.2	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Chloroethane	-	1000	0.13 J	ND (0.092)	ND (0.092)	ND (0.092)	0.18 U J B	ND (0.092)	0.14 J	ND (0.065)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	0.13 J	0.17 J	ND (0.092)	ND (0.092)	0.18 J	ND (0.092)
Chloroform	0.12	10	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	0.31 J	ND (0.34)	ND (0.19)	0.22 J	0.22 J	0.22 J	0.23 J	0.19 J	ND (0.19)	0.25 J	0.24 J	0.31 J	0.31 J
Chloromethane	-	9.4	1.7	1.4	1.3 J	1.2	1.4	1.5	1.7	ND (0.12)	1.4	1 J	0.89 J	1.3	1.7	1 J	0.99 J	0.93 J	1	1.6	1.2
1,2-Dibromoethane (EDB)	0.0047	0.94	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.06)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.047)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
1,2-Dichlorobenzene	-	21	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.24)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
1,3-Dichlorobenzene	-	-	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.056)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)
1,4-Dichlorobenzene	0.26	83	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.18)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Dichlorodifluoromethane	-	10	1.8	2.1	1.8	2.2	2.3	2.6	1.1	ND (0.3)	1.1	1.9	1.9	2.4	2.4	2.1	2.1	2.3	2.4	2.2	2.2
1,1-Dichloroethane	1.8	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.036)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
1,2-Dichloroethane	0.11	0.73	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.32)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
1,1-Dichloroethene	-	21	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.31)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)
cis-1,2-Dichloroethene	-	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.035)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	0.41 J	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloropropane	0.28	0.42	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.39)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
cis-1,3-Dichloropropene	-	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.038)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
Ethylbenzene	1.1	100	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	0.4 J	0.41 J	ND (0.058)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	0.37 J	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)
Hexachlorobutadiene	0.13	-	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.074)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)
Methylene Chloride	100	63	0.95 J	0.77 J	1 U J	1.2 U J B	1.1 U J B	0.74 J	1.2 J	ND (0.068)	0.66 J	0.79 J	0.91 U J	1.9 B	2.5 B	1.2 U J	1.5 J	1.9 J B	2.1 J B	1.7 U J B	1.5 U J B
Styrene	-	100	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	0.41 J	ND (0.25)	ND (0.044)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
1,1,2-Trichloro-1,2,2-trifluoroethane	-	3100	0.65 J	0.58 J	0.62 J	0.58 J	0.58 J	0.58 J	0.69 J	ND (0.32)	0.66 J	0.48 J	0.45 J	0.54 J	0.6 J	0.58 J	0.5 J	0.54 J	0.63 J	0.51 J	0.51 J
1,2,4-Trichlorobenzene	-	0.21	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.22)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
1,1,1-Trichloroethane	-	520	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.11)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
1,1,2-Trichloroethane	0.18	0.021	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.098)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
1,2,4-Trimethylbenzene	-	0.73	ND (0.31)	0.5 J	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	0.35 J	ND (0.07)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
1,3,5-Trimethylbenzene	-	-	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.064)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
1,1,2,2-Tetrachloroethane	0.048	-	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.13)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
Tetrachloroethene	11	4.2	ND (0.27)	ND (0.27)	ND (0.27)	0.54 J	ND (0.27)	ND (0.27)	0.36 J	ND (0.13)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
Toluene	-	520	0.8	1.1	0.61 J	0.95	0.8	2.9	2.9	ND (0.38)	1.4 U	1.9	0.96	1.7	1.6	0.48 J	ND (0.45)	1.2	ND (0.45)	0.99	0.95
trans-1,3-Dichloropropene	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.078)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Trichloroethene	0.48	0.21	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.52)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	2.1 J	1.6 J	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
Trichlorofluoromethane	-	73	1.4	1.1	1.7	1.2 J B	1.2 J B	1.4	1.8	ND (0.52)	2	1.4	1.1	1.7	1.7	1.1	1.2	1.5	1.6	1.2	1.2
Vinyl chloride	0.17	10	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.061)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
m-Xylene & p-Xylene	-	10	ND (0.52)	1	ND (0.52)	ND (0.52)	ND (0.52)	1.2	1.2	ND (0.42)	ND (0.52)	0.82 J	0.68 J	0.72 J	0.63 J	0.82 J	ND (0.52)	0.7 J	ND (0.52)	ND (0.52)	ND (0.52)
o-Xylene	-	10	ND (0.26)	0.49 J	ND (0.26)	ND (0.26)	ND (0.26)	0.43 J	0.44 J	ND (0.068)	ND (0.26)	0.27 J	ND (0.26)	0.26 J	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)

Notes:
Shading indicates the concentration exceeds a screening level.

[1] Screening levels are from the Regional Screening Level (RSL) Residential Air Supporting Table May 2014. The noncarcinogenic screening level listed in this table is based on a noncancer hazard index of 0.1.

B Analyte detected in laboratory blank dup duplicate J estimated result less than the reporting limit ND not detected (reporting limit)

RESULTS OF VOLATILE ORGANIC COMPOUND ANALYSIS FOR BASELINE SAMPLING PERIOD
WEST LAKE LANDFILL, BRIDGETON, MISSOURI
DRAFT TABLE PREPARED SEPTEMBER 30, 2014

Volatile Organic Compound	Screening Levels[1]		STATION 5 St. Charles Fire Department Station #2, 1550 S. Main Street, St. Charles, MO												
	Cancer Risk = 1E-06	Non-cancer HQ = 0.1	05/08/14	05/15/14	05/23/14	05/30/14	06/06/14	06/13/14	06/19/14	06/26/14	07/10/14	07/17/14	07/24/14	07/31/14	08/06/14
Benzene	0.36	3.1	0.31 J	0.31 J	0.28 J	0.58 J	0.61 J	ND (0.52)	0.27 J	0.44 J	0.34 J	0.43 J	0.27 J	0.45 J	0.56 J
Benzyl chloride	0.057	0.1	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.22)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Bromomethane	-	0.52	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)
Carbon tetrachloride	0.47	10	0.44 J	0.41 J	0.44 J	0.46 J	0.33 J	ND (0.048)	0.51 J	0.39 J	0.38 J	0.46 U J	0.35 J	0.4 J	0.4 J
Chlorobenzene	-	5.2	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.19)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Chloroethane	-	1000	0.14 J	ND (0.092)	0.096 U J B	ND (0.092)	ND (0.092)	ND (0.24)	ND (0.092)	0.11 J	ND (0.092)	ND (0.092)	0.32 J	ND (0.092)	ND (0.092)
Chloroform	0.12	10	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	0.26 J	ND (0.065)	ND (0.19)	0.36 J	0.21 J	0.22 J	ND (0.19)	0.2 J	ND (0.19)
Chloromethane	-	9.4	1.8	1.2 J	1.2	1.4	1.3	ND (0.074)	1.3	1.3	0.9 J	1.1	1.7	0.89 J	1.9
1,2-Dibromoethane (EDB)	0.0047	0.94	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.078)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.061)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
1,2-Dichlorobenzene	-	21	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.24)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
1,3-Dichlorobenzene	-	-	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.098)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)
1,4-Dichlorobenzene	0.26	83	ND (0.38)	0.51 J	ND (0.38)	0.39 J	ND (0.38)	ND (0.31)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Dichlorodifluoromethane	-	10	2.1	1.8	2.3	2.7	0.98	ND (0.19)	0.93 J	2.1	2	2.4	2.1	2.3	2.5
1,1-Dichloroethane	1.8	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.048)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
1,2-Dichloroethane	0.11	0.73	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.29)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
1,1-Dichloroethene	-	21	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.036)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)
cis-1,2-Dichloroethene	-	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.39)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloropropane	0.28	0.42	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.11)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
cis-1,3-Dichloropropene	-	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.064)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
Ethylbenzene	1.1	100	ND (0.3)	ND (0.3)	ND (0.3)	0.77 J	0.33 J	ND (0.056)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	0.33 J	ND (0.3)
Hexachlorobutadiene	0.13	-	ND (0.83)	1.1 J	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.032)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)
Methylene Chloride	100	63	1.9	2 J	1.1 U J B	0.91 J	1.2 J	ND (0.034)	0.66 J	0.65 J	0.82 U J	1.6 U J B	0.73 U J	1.4 U J B	1.3 U J B
Styrene	-	100	ND (0.25)	ND (0.25)	ND (0.25)	0.27 J	ND (0.25)	ND (0.035)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	0.55 J	ND (0.25)
1,1,2-Trichloro-1,2,2-trifluoroethane	-	3100	0.64 J	0.59 J	0.58 J	0.57 J	0.54 J	ND (0.026)	0.66 J	0.53 J	0.47 J	0.55 J	0.5 J	0.53 J	0.57 J
1,2,4-Trichlorobenzene	-	0.21	ND (0.73)	0.96 J	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.071)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
1,1,1-Trichloroethane	-	520	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.25)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
1,1,2-Trichloroethane	0.18	0.021	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.12)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
1,2,4-Trimethylbenzene	-	0.73	ND (0.31)	ND (0.31)	ND (0.31)	0.47 J	ND (0.31)	ND (0.03)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
1,3,5-Trimethylbenzene	-	-	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.13)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
1,1,2,2-Tetrachloroethane	0.048	-	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.27)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
Tetrachloroethene	11	4.2	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	2	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
Toluene	-	520	1.3	1.4	1	5.4	2.7	ND (0.04)	1.5 U	2.1	1.9	2.2	0.99	1.4	1.4
trans-1,3-Dichloropropene	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.038)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Trichloroethene	0.48	0.21	ND (0.19)	ND (0.19)	ND (0.19)	0.22 J	ND (0.19)	ND (0.078)	ND (0.19)	0.29 J	ND (0.19)	0.24 J	ND (0.19)	0.27 J	ND (0.19)
Trichlorofluoromethane	-	73	1.5	1.5	1.2 J B	1.6	1.3	ND (0.12)	1.4	1.2	1.1 J	1.4	1.1	1.3	1.3
Vinyl chloride	0.17	10	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.33)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
m-Xylene & p-Xylene	-	10	0.77 J	ND (0.52)	ND (0.52)	2.3	0.98	ND (0.038)	ND (0.52)	0.91	0.59 J	0.76 J	ND (0.52)	0.79 J	0.68 J
o-Xylene	-	10	ND (0.26)	ND (0.26)	ND (0.26)	0.78 J	0.36 J	ND (0.049)	ND (0.26)	0.28 J	ND (0.26)	ND (0.26)	ND (0.26)	0.28 J	ND (0.26)

Notes:
Shading indicates the concentration exceeds a screening level.
[1] Screening levels are from the Regional Screening Level (RSL) Residential Air Supporting Table May 2014. The noncarcinogenic screening level listed in this table is based on a noncancer hazard index of 0.1.

B Analyte detected in laboratory blank dup duplicate J estimated result less than the reporting limit ND not detected (reporting limit)